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- [Bit vector algorithms enabling high-speed and memory-efficient firew](#)  
 Lane Thames, Randal Abler, David Keeling  
 March 2009 **ACM-SE 47: Proceedings of the 47th Annual Southeast Regio**  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: [Pdf](#) (186.17 KB) [Additional Information: full citation, abs](#)  
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In a world of increasing Internet connectivity coupled with increasing co network applications implementing **blacklisting** technology are becomi ability to ...

**Keywords:** bit vectors, blacklisting, firewalls, packet classification, patt

- [Pallino: automation to support regression test selection for cois-base](#)  
 Jiang Zheng, Laurie Williams, Brian Robinson  
 November 2007 **ASE '07: Proceedings of the twenty-second IEEE/ACM inter engineering**  
**Publisher:** ACM [Request Permissions](#)  
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**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 62, Downloa

Software products are often built from commercial-off-the-shelf (COTS) components are made available for integration and testing, source code Various regression test selection ...


**Keywords:** COTS, commercial-off-the-shelf, regression testing, softwa

- [Catching spam before it arrives: domain specific dynamic blacklists](#)  
 Duncan Cook, Jacky Hartnett, Kevin Manderson, Joel Scanlan  
 January 2006 **ACSW Frontiers '06: Proceedings of the 2006 Australas research - Volume 54**, Volume 54  
**Publisher:** Australian Computer Society, Inc.  
 Full text available: [Pdf](#) (160.06 KB) [Additional Information: full citation, abs](#)  
**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 219, Downl

The arrival of any piece of unsolicited and unwanted email (spam) into :

real costs to organisations and possibly an increasing reluctance to use prevention techniques ...

#### 4 [Information security governance framework](#)

 Eijiroh Ohki, Yonosuke Harada, Shuji Kawaguchi, Tetsuo Shiozaki, Tatsuyuki  
November 2009 **WISG '09: Proceedings of the first ACM workshop on Information Security Governance**  
**Publisher:** ACM

Full text available:  Pdf (423.21 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 80, Downloads (12 Months): 280, Downloads


Many companies, especially Japanese companies, have implemented information security controls starting from implementing piece by piece security controls. As information security controls increase and spread its impact, ...

**Keywords:** formal audit model, formal governance model, governance model, information security standards, risk management

#### 5 [Effects of feedback and peer pressure on contributions to enterprise](#)

 Michael J. Brzozowski, Thomas Sandholm, Tad Hogg  
May 2009 **GROUP '09: Proceedings of the ACM 2009 international conference on Groupware**

**Publisher:** ACM 

Full text available:  Pdf (599.05 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 84, Downloads (12 Months): 382, Downloads


Increasingly, large organizations are experimenting with internal social network-based distributed collaboration. Contributions to their counterparts are often made by attention ...

**Keywords:** attention, blogs, contributions, feedback, social media

#### 6 [Firmato: A novel firewall management toolkit](#)

 Yair Bartal, Alain Mayer, Kobbi Nissim, Avishai Wool  
November 2004 **Transactions on Computer Systems (TOCS)**, Volume 22 Issue 4

**Publisher:** ACM 

Full text available:  Pdf (917.80 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 188, Downloads


In recent years packet-filtering firewalls have seen some impressive technological advances (e.g., transparency, performance, etc.) and wide-spread deployment. In contrast, management technology ...

**Keywords:** Security policy, firewall, management, model definition language

#### 7 [A policy management framework for content-based publish/subscribe](#)

Alex Wu, Hans-Arno Jacobsen  
November 2007 **Middleware '07: Proceedings of the ACM/IFIP/USENIX 2007 International Conference on Middleware**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (3.61 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 75, Download

Content-based Publish/Subscribe (CPS) is a powerful paradigm providing services. Although the general CPS model is well-known, many features different application requirements. ...

**Keywords:** configurability, policy, publish/subscribe, security

## 8 Trust management for IPsec

May 2002

**Transactions on Information and System Security (TIS)**

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (321.98 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 138, Download

IPsec is the standard suite of protocols for network-layer confidentiality. IPsec protocols, however, do not address the policies for how protected points. This article ...

**Keywords:** Credentials, IPsec, KeyNote, network security, policy, trust

## 9 Netfilter 2: in the POM of your hands

David A. Bandel

May 2002

**Linux Journal**, Volume 2002 Issue 97

**Publisher:** Specialized Systems Consultants, Inc.

Full text available: [Html](#) (25.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 6, Download

Now that you've got the basics, it's time for advanced iptables building.

## 10 Putting it together a multi-dimensional approach to Internet security

Frederick M. Avolio

May 1998

**netWorker**, Volume 2 Issue 2

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (367.36 KB)

Additional Information: [full citation](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 48, Download

## 11 Securing the global, remote, mobile user

Walt Curtis, Lori Sinton

March 1999

**International Journal of Network Management**, Volume 9

**Publisher:** John Wiley & Sons, Inc.

Full text available: [Pdf](#) (982.14 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 6, Download


Electronic commerce is inevitable and will reshape our lives, but before be realized, it will be necessary to secure your enterprise against outside provide controls ...

**CIDR**


David A. Bunde

December 1998 **Linux Journal** , Volume 1998 Issue 56es**Publisher:** Specialized Systems Consultants, Inc.Full text available:  [HTML](#) (16.85 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 11, Download

A Prescription for Shortness of Address Space: This article explains the implement it on your network

**13 Detering internal information systems misuse** John D'Arcy, Anat HovavOctober 2007 **Communications of the ACM** , Volume 50 Issue 10**Publisher:** ACM Full text available:  [HTML](#) (26.62 KB),  [PDF](#) (110.38 KB) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 37, Downloads (12 Months): 231, Downl


Detering employee intentions to misuse computer systems requires controls.

**14 Model driven provisioning: bridging the gap between declarative objects**Kaoutar El Maghraoui, Alok Meghranjani, Tamar Ellam, Michael Kalantar, A November 2006 **Middleware '06: Proceedings of the ACM/I/FP/USENIX 2006****Publisher:** Springer-Verlag New York, Inc.Full text available:  [PDF](#) (2.14 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 34, Download

Today's enterprise data centers support thousands of mission-critical but distributed heterogeneous components. Application components exhibit multiple data center network, ...

**15 SCADA systems: vulnerabilities and remediation**

John D. Fernandez, Andres E. Fernandez

April 2005 **Journal of Computing Sciences in Colleges** , Volume 20 Issue**Publisher:** Consortium for Computing Sciences in CollegesFull text available:  [PDF](#) (161.25 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 62, Downloads (12 Months): 324, Downl

Supervisory Control and Data Acquisition, otherwise known as SCADA, is controlling processes, and monitoring equipment from remote locations open SCADA architecture through ...

**16 Personalizing shared ubiquitous devices** David M. Hilbert, Jonathan TrevorMay 2004 **Interactions** , Volume 11 Issue 3**Publisher:** ACM Full text available:  [HTML](#) (48.57 KB),  [PDF](#) (4.04 MB) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 44, Download

**17 Auditing elections**

Douglas W. Jones

October 2004 **Communications of the ACM** , Volume 47 Issue 10**Publisher:** ACM  [Request Permissions](#)Full text available:  [HTML](#) (27.62 KB),  [PDF](#) (153.02 KB) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 60, Downloads

Exploiting the redundancy in election records to conduct useful audits and

**18 Network security in two-year colleges**

Russell Jones, Tamya Jean Stallings

May 2010 **Journal of Computing Sciences in Colleges** , Volume 25 Issue**Publisher:** Consortium for Computing Sciences in CollegesFull text available:  [PDF](#) (46.77 KB) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 42, Downloads (12 Months): 42, Downloads

Network security has become a growing challenge in industry and education. Hackers, and identity theft, organizations are beginning to look at areas of Technology structure. ...

**19 eCommerce security**

Bob Gehring, David Stankard

September 2005 **InfoSecCD '05: Proceedings of the 2nd annual conference on Information security development****Publisher:** ACMFull text available:  [PDF](#) (95.37 KB) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 50, Downloads (12 Months): 387, Downloads

Internet security has become a consistent and growing problem as new services are developed. The number of security violation related incidents continues to be as simple as a single ...

**Keywords:** eCommerce, security, security awareness**20 A multi-layered security architecture for modelling complex systems**

Oliver Blackwell

May 2008 **CSII RW '08: Proceedings of the 4th annual workshop on Cyber security research: developing strategies to meet the cyber security challenges****Publisher:** ACMFull text available:  [PDF](#) (53.23 KB) Additional Information: [full citation](#), [abstract](#), [terms](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 243, Downloads

Existing practical architectural models have been proposed with a hierarchical security model. These models cannot reason about complex systems composed of systematic and faithful analysis. ...

**Keywords:** complexity, critical infrastructure, electricity grid, security &

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